

WHAT IS CLAIMED, IS:

1. A method for initialising a control of a supply
5 voltage of a light source, such as a laser diode, the light
source being arranged in a first circuit configuration
having an associated first reference voltage level or the
light source being arranged in an alternative second
10 circuit configuration having an associated alternative
second reference voltage level, the method comprising the
steps of:

- gradually changing the supply voltage into the
direction of the first reference voltage,
- measuring a light emission of the light source while
15 gradually changing the supply voltage,
- if no light emission is measured: starting the
control of the supply voltage of the light source
after the first reference voltage has been reached,
- if a light emission is measured: gradually changing
20 the supply voltage into the direction of the second
reference voltage and starting the control of the
supply voltage of the light source after the second
reference voltage has been reached.

2. The method according to claim 1, the first circuit
25 configuration being an PNP type circuit configuration
and the second circuit configuration being an NPN type
circuit configuration.

3. The method according to claim 1, whereby the light
emission of the light source is measured by means of a
30 photodiode.

4. The method according to claim 1 further comprising detecting of a polarity of the measurement of the light emission of the laser diode.
5. An electronic circuit for controlling a supply voltage of a light source, such as a laser diode, the light source being arranged in a first circuit configuration having an associated first reference voltage level, or the light source being arranged in alternative second circuit configuration having an associated alternative second reference voltage level, the electronic circuit comprising:
 - means for gradually changing the supply voltage into the direction of the first reference voltage for initialising the control of the supply voltage,
 - 15 - means for detecting of a light emission of the laser diode,
 - means for gradually changing the supply voltage into the direction of the second reference voltage, if a light emission of the laser diode is detected while
20 the supply voltage is gradually changed into the direction of the first reference voltage.
6. The electronic circuit according to claim 5, whereby the first circuit configuration is of an PNP type and the second circuit configuration is of an NPN type.
- 25 7. The electronic circuit according to claim 5, the means for detecting a light emission comprising a laser diode.
8. The electronic circuit according to claims 5 further comprising means for detecting of a polarity of a

measurement signal provided by the means for detecting of a light emission.

9. An optical reader or optical recorder comprising a laser diode and an electronic circuit for controlling a supply voltage of the laser diode the light source being arranged in a first circuit configuration having an associated first reference voltage level, or the light source being arranged in alternative second circuit configuration having an associated alternative second reference voltage level and the electronic circuit includes means for gradually changing the supply voltage into the direction of the first reference voltage for initialising the control of the supply voltage, means for detecting of a light emission of the laser diode, means for gradually changing the supply voltage into the direction of the second reference voltage, if a light emission of the laser diode is detected while the supply voltage is gradually changed into the direction of the first reference voltage.